

Artificial Penetration No. 656

Northwest Oil Company
Lutcher-Moore Lumber Co. #57

Application to Drill,
Deepen or Plug Back.

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

Form 1
Rev. 4/60

STATE WHETHER THIS IS AN APPLICATION TO DRILL, DEEPEN OR PLUG BACK Plug Back
SHALL BE FILED IN DUPLICATE (IN TRIPLICATE IF RULE 37) WITH DEPUTY SUPERVISOR OF DISTRICT IN WHICH WELL IS LOCATED
DATA FURNISHED ON THIS FORM AND ANY ATTACHMENT HERETO MUST BE CLEARLY LEGIBLE.
ANY ILLEGIBLE FORM WILL BE RETURNED WITHOUT COMMISSION ACTION.
(Black Ink or Black Typewriter Ribbon Preferable)

READ CAREFULLY AND
COMPLY FULLY

In order that it may be ascertained whether or not the proposed location covered by this notice conforms to the applicable spacing regulations set down by the Railroad Commission, there are two important footages that must be shown; that is, THE NEAREST DISTANCE OF PROPOSED LOCATION FROM LEASE OR PROPERTY LINE AND DISTANCE OF PROPOSED LOCATION FROM THE NEAREST WELL ON THE SAME LEASE. Do not begin drilling operations on any location prior to filing Form 1 and until permit granted by the Commission has been received and waiting clause period has terminated.

For the purpose of this determination draw on the back side hereof a neat, accurate sketch, made to scale, for this lease, block, or lot locating thereon the proposed site for this location with reference to the two nearest lease lines. Also show the nearest wells on all sides of this location and the distance from the proposed location to those wells. In addition to the foregoing, unit boundary designations must be shown for each producing well on the lease and shall include proposed unit boundaries for the location herein applied for showing the acreage to be assigned this well. Give names and addresses of adjoining lease or property owners, and designate all property by lease and company name. You may attach a blue print showing this information if you so desire.

DO NOT CONFUSE SURVEY LINES WITH LEASE LINES. IF THE SKETCH OR BLUE PRINT SHOWS ONLY A SECTION, BLOCK, OR LOT OUT OF YOUR LEASE, DESIGNATE SAME AS BEING ONLY THAT PART OF THE LEASE.

Where the size of the tract will permit, use scale of one inch equaling 1000 feet; if less than 2 acres use scale of one inch equaling 100 feet. DESIGNATE SCALE TO WHICH PLAT OR SKETCH IS DRAWN. ALSO DESIGNATE NORTHERLY DIRECTION ON THE SKETCH OR PLAT.

FILL IN BELOW IN THE SPACES RESERVED FOR THIS PURPOSE THE FOOTAGES ASKED FOR:

Nearest distance from proposed location to property or lease

line 1130 feet.

Distance from proposed location to nearest drilling, com-

pleted, or applied for well on same lease 100 feet.

IS THE ACREAGE ON WHICH THIS WELL IS TO BE LOCATED, PRESENTLY ASSIGNED TO ANOTHER WELL IN ANY RESERVOIR FOR WHICH THIS PERMIT IS REQUESTED? NO

SPS

Date 6-10-66, 1966

Name of company or operator

Name Hort West Oil Company

Address 3730 Republic Nat'l Bk. Building

City Dallas, Texas 75201

Description of farm or lease:

Name of Lease Lutcher-Waters Tract, No. 4, 10, 70

Number of Acres 250 Well No. 21

Number of wells on lease 1

Elevation 11 Section No. 1 Block No. 1
(Ft. above sea level)

Survey J. D. Dyer

Zone or Reservoir Orange

To be Located in Orange Field

(If Wildcat state above, also state Distance and Direction from nearest Survey Lines.)

Orange County

1/3 Miles North direction from

Orangeville, Texas nearest post office or town.

Rotary or Cable Tools Rotary

Date work will start drilling 6-12-66

Depth to which you propose to drill --- feet.

Date work will start deepening ---

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?

Name Kadato-Druckman

Address Lawyer 1710, Wichita Falls, Texas

RECEIVED
R.R.C. OF TEXAS

NOTICE: Before sending this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

HOUSTON, TEXAS

DRAW SKETCH AND MAKE AFFIDAVIT ON REVERSE SIDE

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00007301117

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISIONForm W-2
Rev. 7/3/66

OIL WELL POTENTIAL TEST COMPLETION OR RECOMPLETION REPORT AND LOG			7. RRC District 3
1. FIELD NAME (as per RRC Records or Wildcat) <u>Orange (P.T.J.D.)</u>	8. LEASE NAME <u>Lutcher-Moore Lbr. Co.</u>	9. Well Number <u>57</u>	
10. OPERATOR <u>Northwest Oil Company</u>		10. County <u>Orange</u>	
11. ADDRESS <u>2730 Republic National Bank Bldg., Dallas, Texas 75201</u>		11. Purpose of Test Initial Potential <input checked="" type="checkbox"/> Retest <input type="checkbox"/>	
12. If Operator has changed within last 60 Days -- Old Operator <u>Orange (P.T.J.D.)</u>		14. Completion Date <u>6-29-68</u>	
13. Type of Electric or other Log run <u>Electric & Radiation</u>		15. Reclass <input type="checkbox"/>	

Section 1

POTENTIAL TEST DATA

16. Date of Test <u>7-1-68</u>	16. No. of Hours Tested <u>24</u>	17. Production Method (Flowing, Gas-Lifting, Pumping, etc.) <u>Flowing</u>			18. Choke Size <u>1/8"</u>
19. Production for Test Period	Oil - BBLs <u>6.21</u>	Gas - MCF <u>8</u>	Water - BBLs <u>10</u>	Gas - Oil Ratio <u>1,288</u>	Flowing Tubing Pressure <u>600</u> PSI
20. Calculated 24 Hour Rate	Oil - BBLs <u>6.21</u>	Gas - MCF <u>8</u>	Water - BBLs <u>10</u>	Oil Gravity - API - 60° <u>22.0°</u>	Casing Pressure <u>34.0</u> PSI
21. Was Swab or Artificial Flowing Device Used During this Test? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		22. Oil Produced Prior to Test (New & Reworked Wells) <u>10</u>			23. Injection Gas-Oil Ratio <u>---</u>

NOTE: TEST SHOULD BE FOR 24 HOURS UNLESS OTHERWISE SPECIFIED IN FIELD RULES

Eff 7-1
-15
(plug-back
some zone)

INSTRUCTIONS: All potential test forms, with all information requested thereon filled in, shall be filed in the District Office of the Railroad Commission not later than ten (10) days after the test is completed and, should the operator fail to file potential test in an acceptable form within the ten (10) days as specified, then the effective date of the allowable resulting from such test shall not extend back more than ten (10) days prior to receipt and acceptance of the potential test form in the District Office. This Ten-Day provision shall govern regardless of whether the potential test is taken during the month in which it is received in the District Office or any prior month. Fill in only the front of this form when reporting only potential tests if well is newly completed or recompleted, fill in reverse side also.

EACH WITNESS MUST PERSONALLY SIGN.

We, the undersigned, witnessed this test, by observation of meter readings, or the top and bottom gauges of each tank, whichever is applicable, into which production was run during duration of this test.

Signature: REPRESENTATIVE OF COMPANY MAKING TEST

List of Offset Operators Notified:

Paul CorlierPetroleum Property Management, Inc.

Signature: REPRESENTATIVE OF RAILROAD COMMISSION

Date of Notification

6-30-686-30-68

CERTIFICATE

I declare under penalties prescribed in Article 6030c, R. C. S., that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

Signature: REPRESENTATIVE OF COMPANY

Agent

TITLE

JUL - 3 - 1968

HOUSTON

DATE

REMARKS

* Plug Jack. Initial completion data was 6-22-67.

SECTION II DATA ON WELL COMPLETION AND LOG (Not Required on Retest)					
24. Type of Completion New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Other <input type="checkbox"/>				25. Date Permit Issued 6-11-68	
26. Notice of Intention to Drill this Well was filed in Name of Northwest Oil Company				27. If Special Permit, Give Permit Number - - - - P.T. & D.	
28. Number of Producing Wells on this Lease in This Field (Reservoir) including this Well 18			29. Total Number of Acres in this Lease 250		
30. Date Plug Back, Deepening, Work Over or Drilling Operation: Commenced 6-27-68 Completed 6-27-68			31. Distance to Nearest Well, Same Lease & Reservoir 100'		
32. Location of Well, Relative to Lease Boundaries of Lease on which this Well is Located 1130 East From North Line And 1700 West Line of the Litcher-Moore Lbr. Co.			33. Elevation (OP, RRB, RT, OR, ETC) OR = 4'		
34. Was Directional Survey Made Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		35. Top of Pay 1972			
36. Total Depth 3224		37. P.B. Depth 1996		38. Surface Casing Recommendation of Texas Water Development Board Field Rules <input type="checkbox"/> Railroad Commission (Special) <input type="checkbox"/>	
39. Is Well Multiple Completion? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		40. If Multiple Completion List All Reservoir Names (Completions in this Well) - - - - -		41. Intervals Drilled By: Rotary Tools 0-3224 Cable Tools	
42. Name of Drilling Contractor Workover			43. Is Cementing Affidavit Attached? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
44. CASING RECORD (Report All Strings Set in Well)					
Casing Size	Weight LB./FT.	Depth Set	Hole Size	Cementing Record	Amount Pulled
8 5/8"	24.5	95.95'	12 1/4"	70 ex. with 2 1/2"	0
5 1/2"	17.5	1,112'	7 7/8"	375 ex. Lito &	0
				225 ex. common	
45. LINER RECORD					
Size	Top	Bottom	Seals Cement	Screen	
	1000'				
46. TUBING RECORD					
Size	Depth Set	Packer Set	From	To	
2 3/4"	1977.3'	1,950.76'	1973	1977	
			From	To	
			From	To	
			From	To	
47. PRODUCING INTERVAL (this completion) Indicate Depth of Perforations or Open Hole					
			From	To	
			From	To	
			From	To	
			From	To	
48. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
Depth Interval	Amount and Kind of Material Used				
49. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)					
Formations	Depth	Formations	Depth		
Miocene	0-3224'				

REMARKS * Original log filed 7-2-67 "ALBUQUERQUE" 1971

WELL AND LOG DIAGRAM

DATE

Application to Drill,
Deepen or Plug Back.

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

Form 1
Rev. 4/60

STATE WHETHER THIS IS AN APPLICATION TO DRILL, DEEPEN OR PLUG BACK Drill
SHALL BE FILED IN DUPLICATE (IN TRIPLICATE IF RULE 37) WITH DEPUTY SUPERVISOR OF DISTRICT IN WHICH WELL IS LOCATED
DATA FURNISHED ON THIS FORM AND ANY ATTACHMENT HERETO MUST BE CLEARLY LEGIBLE.
ANY ILLEGIBLE FORM WILL BE RETURNED WITHOUT COMMISSION ACTION.
(Black Ink or Black Typewriter Ribbon Preferable)

READ CAREFULLY AND
COMPLY FULLY

In order that it may be ascertained whether or not the proposed location covered by this notice conforms to the applicable spacing regulations set down by the Railroad Commission, there are two important footages that must be shown; that is, THE NEAREST DISTANCE OF PROPOSED LOCATION FROM LEASE OR PROPERTY LINE AND DISTANCE OF PROPOSED LOCATION FROM THE NEAREST WELL ON THE SAME LEASE. Do not begin drilling operations on any location prior to filing Form 1 and until permit granted by the Commission has been received and waiting clause period has terminated.

For the purpose of this determination draw on the back side hereof a neat, accurate sketch, made to scale, of the lease, block, or lot locating thereon the proposed site for this location with reference to the two nearest lease lines. Also show the nearest wells on all sides of this location and the distance from the proposed location to those wells. In addition to the foregoing, unit boundary designations must be shown for each producing well on the lease and shall include proposed unit boundaries for the location herein applied for showing the acreage to be assigned this well. Give names and addresses of adjoining lease or property owners, and designate all property by lease and company name. You may attach a blue print showing this information if you so desire.

DO NOT CONFUSE SURVEY LINES WITH LEASE LINES. IF THE SKETCH OR BLUE PRINT SHOWS ONLY A SECTION, BLOCK, OR LOT OUT OF YOUR LEASE, DESIGNATE SAME AS BEING ONLY THAT PART OF THE LEASE.

Where the size of the tract will permit, use scale of one inch equaling 1000 feet; if less than 2 acres use scale of one inch equaling 100 feet. DESIGNATE SCALE TO WHICH PLAT OR SKETCH IS DRAWN. ALSO DESIGNATE NORTHERLY DIRECTION ON THE SKETCH OR PLAT.

FILL IN BELOW IN THE SPACES RESERVED FOR THIS PURPOSE THE FOOTAGES ASKED FOR:

Nearest distance from proposed location to property or lease line 1130 feet.

Distance from proposed location to nearest drilling, completed, or applied for well on same lease 100 feet.

IS THE ACREAGE ON WHICH THIS WELL IS TO BE LOCATED, PRESENTLY ASSIGNED TO ANOTHER WELL IN ANY RESERVOIR FOR WHICH THIS PERMIT IS REQUESTED? No

Date April 4, 19 67

Name of company or operator

Name Northwest Oil Company

Address 2730 Republic Nat'l Bank Bldg.

City Dallas, Texas 75201

Description of farm or lease:

Name of Lessee Lutcher-Moore Lbr. Co. # 03270

Number of Acres 250 Well No. 57

Number of wells on lease 12

Elevation 4 Section No. Block No.
(Ft. above sea level)

Survey J. Dyson

Zone or Reservoir P.T.B.D.

To be Located in Orange Field

(If Wildcat state above, also state Distance and Direction from nearest Survey Lines.)

Orange County

1/3 Miles North direction from
Orangefield, Texas nearest post office or town.

Rotary or Cable Tools Rotary

Date work will start drilling 4/10/67

Depth to which you propose to drill 3,250 feet.

Date work will start deepening

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?

Name Kadane - Brachman

Address Drawer 1740, Wichita Falls, Texas

NOTICE: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

DRAW SKETCH AND MAKE AFFIDAVIT ON REVERSE SIDE

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Distance from proposed location to nearest drilling, completed, or applied for well on same lease 100 feet.

IS THE ACREAGE ON WHICH THIS WELL IS TO BE LOCATED, PRESENTLY ASSIGNED TO ANOTHER WELL IN ANY RESERVOIR FOR WHICH THIS PERMIT IS REQUESTED? No

FROM WHOM PURCHASED?

Name Karl - Drachman

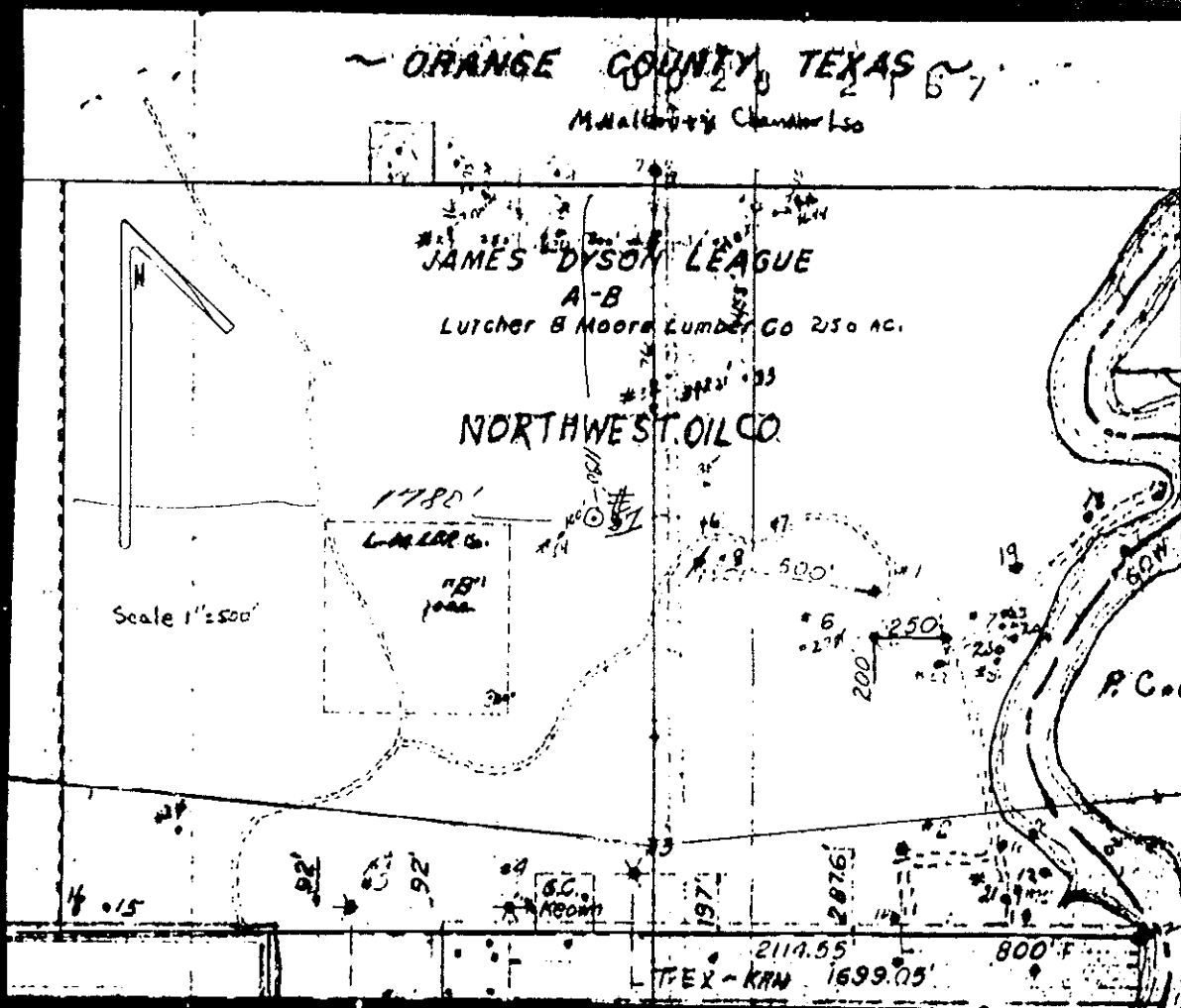
Address Drawer 1740, Wichita Falls, Texas

NOTICE: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

DRAW SKETCH AND MAKE AFFIDAVIT ON REVERSE SIDE

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RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

0028 158

Form W-2
Rev. 7/5/66

OIL WELL POTENTIAL TEST
COMPLETION OR RECOMPLETION REPORT AND LOG

7. RRC District

3

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

Form W-2
Rev. 7/5/66

OIL WELL POTENTIAL TEST COMPLETION OR RECOMPLETION REPORT AND LOG		
1. FIELD NAME (see per RRC Records or Wildcat)	2. LEASE NAME	7. NRC District
Orange (P.T.S.D.)	Lutcher-Moore Lbr. Company	3
3. OPERATOR		8. Well Number
Northwest Oil Company		57
4. ADDRESS		9. County
2730 Republic Nat'l Bank Bldg., Dallas, Texas		Orange
5. If Operator has changed within last 60 Days -- Give former Operator		11. Purpose of Test
		Initial Potential <input checked="" type="checkbox"/>
		Retest <input type="checkbox"/>
6. LOCATION (Section, Block, and Survey)		Reclose <input type="checkbox"/>
J. Dyson		14. Completion Date
12. If Workover -- Give former Field (with Reservoir)	13. Type of Electric or other Log run	6-22-67
	Electric and Radiation	

Section I POTENTIAL TEST DATA					
15. Date of Test	16. No. of Hours Tested	17. Production Method (Flowing, Gas Lift, Jetting, Pumping - Size & Type of Pump)			18. Choke Size
7-1-67	24	Gas Lift			1 1/2
19. Production for Test Period	Oil - BBLs	Gas - MCF	Water - BBLs	Gas - Oil Ratio	Flowing Tubing Pressure
	24.92	NIL	450	NIL	100 PSI
20. Calculated 24 Hour Rate	Oil - BBLs	Gas - MCF	Water - BBLs	Oil Gravity - API - 63°	Casing Pressure
	24.92	NIL	450	22.6	500 PSI
21. Was Swab or Artificial Flowing Device Used During this Test?		22. Oil Produced Prior to Test (New & Reworked Wells)			23. Injection Gas-Oil Ratio
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		66			1,200/1

NOTE: TEST SHOULD BE FOR 24 HOURS UNLESS OTHERWISE SPECIFIED IN FIELD RULES

INSTRUCTIONS: All potential test Forms, with all information requested thereon filled in, shall be filed in the District Office of the Railroad Commission not later than ten (10) days after the test is completed and, should the operator fail to file potential test in an acceptable Form within the ten (10) days as specified, then the effective date of the allowable resulting from such test shall not extend back more than ten (10) days prior to receipt and acceptance of the potential test Form in the District Office. This Ten-Day provision shall govern regardless of whether the potential test is taken during the month in which it is received in the District Office or any prior month. Fill in only the front of this Form when reporting only a potential test; if well is newly completed or recompleted, fill in reverse side also.

EACH WITNESS MUST PERSONALLY SIGN.

We, the undersigned, witnessed this test, by observation of meter readings, or the top and bottom gauges of each tank, whichever is applicable, into which production was run during duration of this test.

Signature: REPRESENTATIVE OF COMPANY MAKING TEST
List of Officer Operators Notified:

Paul Cormier
Petroleum Property Management, Inc.

Signature: REPRESENTATIVE OF RAILROAD COMMISSION
Date of Notification:

6-30-67
6-30-67

CERTIFICATE:

I declare under penalties prescribed in Article 6036c, R. C. S., that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

REPRESENTATIVE OF COMPANY

Agent
TITLE

7-3-67
DATE

REMARKS

RECEIVED
R.R.C. of TEXAS

JUL - 3 1967

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20046

56

2810 3007P

105-315

SECTION II DATA ON WELL COMPLETION AND LOG (Not Required on Re-test)									
24. Type of Completion: New Well <input checked="" type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input type="checkbox"/>					25. Date Permit Issued: 4-6-67				
26. Notice of Intention to Drill this Well was filed in Name of: Northwest Oil Company					27. If Special Permit, Give Permit Number: - - - P.T.S.D.				
28. Number of Producing Wells on this Lease in This Field (Reservoir) including this Well: 19					29. Total Number of Acres in this Lease: 250				
30. Date of Beginning of Drilling Operations: Commenced 5-6-67 Completed 5-10-67					31. Distance to Nearest Well, Same Lease & Reservoir: 100'				
32. Location of Well, Relative to Lease Boundaries of Lease on which this Well is Located: 1130 North West					33. Line and 1780 East From Line of the Latcher-Moore Lbr. Company				
33. Elevation (D.F., M.B., R.T., G.R., ETC): GR 4'					34. Was Directional Survey Made: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
35. Top of Pay: 2429		36. Total Depth: 3224		37. P.B. Depth: - - - -		38. Surface Casing Determined By: - - - -		39. Recommendation of Texas Water Development Board: <input type="checkbox"/> Field Rules: <input type="checkbox"/> Railroad Commission: <input type="checkbox"/>	
39. Is Well Multiple Completion? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		40. If Multiple Completion List All Reservoir Names (Completions in this Well): - - - -		41. Interval Drilled By: 0-3224		42. Rotary Tools: <input type="checkbox"/> Cable Tools: <input type="checkbox"/>		43. Is Cementing Attached? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
42. Name of Drilling Contractor: Otis Russell Drilling Company									
44. CASING RECORD (Report All Strings Set in Well)									
Casing Size	Weight LB/FT.	Depth Set	Male Size	Cementing Record	Amount Pulled				
8 5/8"	24#	95.95'	12 1/4"	70 ex with 2 1/2" Oad	0				
5 1/2"	14#	3,112'	7 7/8"	375 ex Lite Water	0				
				225 ex Common					
				Neat					
45. LINER RECORD									
Size	Top	Bottom	Seals Cement	Screen					
	11 one								
46. TUBING RECORD									
Size	Depth Set	Packer Set	From	To					
2" SUB	2,358.73	2,391.00	2,429	2,438					
47. Producing Interval (this completion) indicate Depth of Production for Open Hole									
48. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.									
Depth Interval	Amount and Kind of Material Used								
49. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)									
Formations	Depth	Formations	Depth						
Miocene	0-3,224								
REMARKS: Tested: 3,004 - 26' sand & salt water. Set B.P. at 2800'. 2756 - 62' sand & salt water. Set B.P. at 2685'.									

0020 2169

CEMENTING AFFIDAVIT

STATE OF TEXAS

COUNTY OF Jefferson

I, Wilbert Lintzen, being of lawful age, do state that I am employed by The Western Company in the capacity of Service Supervisor and that on II day of May, 1967, THE WESTERN COMPANY rented equipment and personnel to Northwest Oil Co. for the purpose of cementing the Production string of casing in (prod., prot., surface) their well No. 57, Lutcher-Moore Lumber Co. lease located in Orange County, Texas. Information provided me by the customer, his agent or representative, states that the above string of casing was size 5 1/2" O. D, set in 7 7/8" drilled hole, and that casing depth set was 3,112 feet. Staging Collar set at ----- feet.

For this cement job, I mixed the following:

<u>375</u>	sacks	<u>Trinty Lite Wate Cement neat</u>	Admix
<u>225</u>	sacks	<u>Common Neat (Class A)</u>	Admix
_____	sacks	_____	Admix

Based upon the above information, according to my cement tables, I have calculated that the above volume of cement will fill up an annular height of 4664 feet between 5 1/2" casing and 7 7/8" hole. Cement through Staging Collar will fill up an annular height of ----- feet. The work performed was done under the direction, supervision and control of the Northwest Oil Co.

Cement circulated to surface.

RECEIVED
R.R.C. OF TEXAS

JUL - 3 1957

Affiant

(Western Company Employee)

(By Commission Order, dated July 15, 1965, it is no longer necessary to notarize Cementing Affidavits)

2-03870

RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

INCLINATION REPORT

Form I-1
11-2-62

ONE COPY MUST BE FILED WITH EACH COMPLETION REPORT

Field Name Orange (A. B. B.) County Orange Sec. 10, T. 2
Operator Northwest Oil Company Address 1700 Avenida Santa Anita, Dallas, Texas
Lease Name & No. Lutcher-Boone Lot. 30. Well No. 21 Survey S. 0500

RECORD OF INCLINATION

Depth (feet)	Inclination (degrees)	Displacement (feet)	Accumulative Displacement (feet)
1000	1	1.36	11.05
1100	2 1/2	2.87	14.73
1200	3 1/2	4.13	18.82
1300	1	1.36	20.18
1400	2 1/2	2.87	23.05
1500			
1600			
1700			
1800			
1900			
2000			
2100			
2200			
2300			
2400			
2500			
2600			
2700			
2800			
2900			
3000			
3100			
3200			
3300			
3400			
3500			
3600			
3700			
3800			
3900			
4000			
4100			
4200			
4300			
4400			
4500			
4600			
4700			
4800			
4900			
5000			

Total Displacement 42.37

Was survey run in Tubing --- Casing --- Open Hole X
Distance to nearest lease line 1130 feet
Distance to lease lines as prescribed by field rules 200.000 feet

Certification of personal knowledge Inclination Data:

I hereby certify that I have personal knowledge of the data and facts placed on this form, and that such information given above is true and complete.

Signature Ralph Colon

Northwest Oil Company
Company

Operator Affidavit:

(Note: Party making affidavit must strike out inapplicable phrases, and must file explanatory statement when applicable.)

Before me, the undersigned authority, on this day, personally appeared Ralph Colon, known to me to be the person whose name is subscribed hereto, who, after being duly sworn, on oath states ~~that he is the operator of the well identified in this instrument~~ (that he is acting in the direction and on behalf of the operator of the well identified in this instrument), and that such well was not intentionally deviated from the vertical whatsoever, ~~and that such well was deviated at random for the reasons stated in the attached statement.~~

Signature and Title of Affiant Ralph Colon

Sworn and Subscribed to before me, this the 23rd day of June, 1967.

RECEIVED
R.R.C. OF TEXAS

JUL - 3 1967

O. G.
HOUSTON, TEXAS

Marjorie McCarty
Notary Public in and for Orange
County, Texas.

R.R.C. Use Only:

Approved By: Charles L. Whittaker

Title: Chief

Date: July 3, 1967

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